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APPLICATION NO	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09-760,950	01*15*2001	Erichi Uriu	YAMAP0347USD	5487
7	590 08-12-2003			
Thomas W. Adams			EXAMINER	
Renner, Otto, Boisselle, & Sklar, LLP 19th Floor			NGUYEN, TUYEN T	
1621 Euclid Avenue Cleveland, OH 44115			ART UNIT	PAPER NUMBER
			2x32	

DATF MAILED: 08/12-2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

Applicant(s)

09/760,950

Uriu et al.

Examiner

Tuyen T. Nguyen

Art Unit 2832



	The MAILING DATE of this communication appears	on the cover sheet with the correspondence address
	for Reply	TO EVENT
	IORTENED STATUTORY PERIOD FOR REPLY IS SET MAILING DATE OF THIS COMMUNICATION.	TO EXPIRE 3 MONTH(S) FROM
	sions of time may be available under the provisions of 37 CFR 1.136 (a). In a gradule of this communication.	no event, however, may a reply be timely filed after SIX (6) MONTHS from the
- If the	period for reply specified above is less than thirty (30) days, a reply within the period for reply is specified above, the maximum statutory period will apply a	
- Failure	e to reply within the set or extended period for reply will, by statute, cause th	e application to become ABANDONED (35 U.S.C. § 133).
	epty received by the Office later than three months after the mailing date of the date of	als communication, even if timely filed, may reduce any
Status		
1) X	Responsive to communication(s) filed on May 22, 2	2003
2a) 🗶	This action is FINAL . 2b) This act	ion is non-final.
3) 🗓 🗓	Since this application is in condition for allowance e closed in accordance with the practice under Ex pair	except for formal matters, prosecution as to the merits is rte Quayle, 1935 C.D. 11; 453 O.G. 213.
Disposi	ition of Claims	
4) X	Claim(s) 1-6	is/are pending in the application.
4	4a) Of the above, claim(s)	is/are withdrawn from consideration.
5)	Claim(s)	is/are allowed.
6) X	Claim(s) <u>1-6</u>	is/are rejected.
7) 🗔	Claim(s)	is/are objected to.
8) _	Claims	are subject to restriction and/or election requirement.
Applica	ation Papers	
9) -	The specification is objected to by the Examiner.	
10)	The drawing(s) filed on is/are	a) _ accepted or b) _ objected to by the Examiner.
	Applicant may not request that any objection to the d	
11):		is: a) approved b) disapproved by the Examiner.
	If approved, corrected drawings are required in reply t	
12)	The oath or declaration is objected to by the Exami	ner.
Priority	under 35 U.S.C. §§ 119 and 120	
13) X	Acknowledgement is made of a claim for foreign pr	riority under 35 U.S.C. § 119(a)-(d) or (f).
a) (X All b) Some* c) None of:	
	1. $i \chi^i$ Certified copies of the priority documents hav	e been received.
	2. \square Certified copies of the priority documents hav	e been received in Application No
	3. Copies of the certified copies of the priority de application from the International Burea	ocuments have been received in this National Stage au (PCT Rule 17.2(a)).
*S	See the attached detailed Office action for a list of the	
14)[Acknowledgement is made of a claim for domestic	priority under 35 U.S.C. § 119(e).
a) [The translation of the foreign language provisiona	application has been received.
15)[Acknowledgement is made of a claim for domestic	priority under 35 U.S.C. §§ 120 and/or 121.
Attachm	nent(s)	
	otice of References Cited (PTO-892)	4) Interview Summary (PTO-413) Paper No(s).
	otice of Draftsperson's Patent Drawing Review (PTO-948)	5) Notice of Informal Patent Application (PTO-152)
3) In	formation Disclosure Statement(s) (PTO-1449) Paper No(s).	6) _ , Other:

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tashiro et al. [US 5,515,022] in view of Hirohashi [JP 6-112047].

Tashiro et al. discloses a multi-layered chip inductor [1] comprising:

- at least one conductive pattern [31, 32] having a thickness of 10 micro-meters or more and a width to thickness ratio from 1 to less than 5 [see column 6, lines 12-25];
- at least one pair of insulating layers [22, 23] formed of magnetic material sandwiching the conductive pattern; and
 - a thick conductor [35] connecting the conductive pattern.

Tashiro et al. discloses the instant claimed invention except for the inductor component being formed of a ceramic material.

Hirohashi discloses a ceramic chip inductor.

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It would have been obvious to one having ordinary skilled in the art at the time the invention was made to form the inductor component of Tashiro et al. with a ceramic material, as suggested by Hirohashi, for the purpose of controlling the frequency response.

Response to Arguments

- 3. Applicant's arguments filed 5/22/03 have been fully considered but they are not persuasive.

 Applicant argues that:
- [1] The examiner fails to identify where in either of reference there is any teaching or suggestion that the insulating layers are actually in contact with the conductor pattern;
- [2] The specific method used by the references to form the conductor pattern preclude the insulating layer to be in contact, as claimed;
- [3] Tashiro and Hirohashi do not teach or suggest the claimed invention in relation to the thickness of 10 micrometer or more and width to thickness ratio 1 to less than 5:
- [4] The electroforming process necessarily resulted in the formation of the product which differs from the prior art product which are made by a different process; and
 - [5] The declaration shows that Tashiro cannot meet the claimed thickness and ratio.

The examiner disagrees.

Regarding [1], Tashiro discloses the insulating layers in contact with the conductor pattern [figure 2].

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Regarding [2], applicant claims do not preclude a gap between the insulating layers in the area that is not in contact with the conductor.

Regarding [3], Tashiro discloses the width to thickness ratio, as claimed.

Regarding [4], Tashiro in view of Hirohashi discloses the product, as claimed.

Regarding [5], applicant has failed to provide sufficient proof and evidence of experimentation to show that Tashiro does not show the claimed thickness to width ratio.

Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Tuyen T. Nguyen whose telephone number is (703) 308-0821.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Elvin Enad, can be reached at (703) 308-7619. The fax number for this Group are (703) 308-7722 and (703) 308-7724.

Any inquiry of a general nature or relating to status of this application of proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

TTN TTN

August 10, 2003

Trujen Ngrayen